Mapping of Form PHS 398 to XML Document Structure

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PHS 398 Page	PHS 398 Item	Item Definition	Component Path / Identifier	Data Element Name(s)
1.1	Title of Project	Application Title	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage.	ProjectTitle
1.2	Response to RFA, Checkbox	Answer to Question: *Response to Specific Request for Applications or Program Announcement or Solicitation*	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. FundingOpportunityDetails	FundingOpportunityResponseCode
1.2	Number	RFA or Program Announcement Number	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. FundingOpportunityDetails	FundingOpportunityNumber
1.2	Title	RFA or Program Announcement Title	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. FundingOpportunityDetails	FundingOpportunityTitle
1.3	New Investigator, Checkbox	Is PI or Program Director a new investigator	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator	NewInvestigatorQuestion

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Derived	*Principal Investigator / Program Identifier Account ID.* *Not on paper form, but the Commons account ID associated with the PD/PI should be submitted with information that is being assembled here. Since much of the personal information related to the PD/PI is collected in the Key Personnel and Biosketch sections, the role information collected on the face page needs to be associated with those later sections, and the account identifier is an ideal way to do so.*	PD/PI account identifier, associated with his or her Commons account.	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator	AccountIdentifier
1.3a	Principal Investigator, Name	Full name of principal investigator	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator. Name	NamePrefix FirstName MiddleName LastName NameSuffix
1.3b	Principal Investigator, Degrees	Degrees earned by investigator. Up to three may be entered.	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator	Degree
1.3c	Principal Investigator, Position Title	PI's position title	ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson	PositionTitle
1.3d	Principal Investigator, Mailing Address	PI Mailing Address (street, city, state, zip)	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator. ContactInformation. PostalAddress	Street City State PostalCode *Not explicitly requested on the paper form, but if supplied:* Country MailStop
1.3d	Principal Investigator, Email Address	PI email address	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator. ContactInformation	Email

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1.3e	Principal Investigator, Department, Service, Laboratory, or Equivalent	Organizational Department to which PI belongs	ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson *(where KeyPerson.AccountIdentifier = ProgramDirectorPrincipalInvestigator.AccountIdentifier)*	OrganizationDepartment
1.3f	Principal Investigator, Major Subdivision	Organizational Division to which PI belongs	ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson *(where KeyPerson.AccountIdentifier = ProgramDirectorPrincipalInvestigator.AccountIdentifier)*	OrganizationDivision
1.3g	Principal Investigator, Telephone Number	PI Phone Number	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator. ContactInformation	PhoneNumber
1.3g	Principal Investigator, FAX Number	PI FAX Number	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator. ContactInformation	FaxNumber
1.4	Human Subjects Research, checkbox	Answer to first question in block 4, "Human Subjects Research" (yes or no)	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. HumanSubject	HumanSubjectsUsedQuestion
1.4a	Human Subjects Research, Research Exempt, checkbox	Answer to question in block 4a, "Research Exempt" (yes or no)	*Not collected. Answer to this question is implied by presence or absence of a research exemption number, collected below …*	
1.4a	Human Subjects Research, Research Exemption Number	Exemption Number provided if answer to "Exempt" is "yes."	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. HumanSubject	ExemptionNumber
1.4b	Human Subjects Assurance Number	Assurance of compliance number.	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. HumanSubject	AssuranceNumber
1.4c	NIH-defined Phase III Clinical Trial, checkbox	Answer to question in block 4c, "NIH Phase III Clinical Trial" (yes or no)	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. HumanSubject	Phase3ClinicalTrialQuestion
1.5	Vertebrate Animals, checkbox	Are Vertebrate animals used	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. AnimalSubject	VertebrateAnimalsUsedQuestion

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1.5a	IACUC Approval Date	If answer to "vertebrate animals" is yes, IACUC approval date	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. AnimalSubject	IACUCApprovalDate *(if approval has been obtained)* OR IACUCApprovalPending *(if IACUC review is unavoidably delayed beyond the submission of the application. Note that in this case, no **value** is provided for IACUCApprovalPending ... simply provide the tag and this will indicate the "pending" status).*
1.5b	Animal welfare assurance no.	Animal welfare assurance number	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. AnimalSubject	AssuranceNumber
1.6	Proposed Period of Support, From	Start of proposed period of support	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProjectDates	ProjectStartDate
1.6	Proposed Period of Support, Through	End of proposed period of support	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProjectDates	ProjectEndDate
1.7a	Costs Requested For Initial Budget Period, Direct Costs	Direct Cost for first budget period	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod *where BudgetPeriodID = 1*	PeriodDirectCostsTotal
1.7b	Costs Requested for Initial Budget Period, Total Costs	Total cost for first budget period	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod *where BudgetPeriodID = 1*	PeriodCostsTotal
1.8a	Costs Requested for Proposed Period of Support, Direct Costs	Direct Cost for all budget periods, combined	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary	BudgetDirectCostsTotal
1.8b	Costs Requested for Proposed Period of Support, Total Costs	Total cost for all budget periods, combined	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary	BudgetCostsTotal
1.9	Applicant Organization, Name	Organization Name	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization	OrganizationName

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1.9	Applicant Organization, Address	Full mailing address: street, city, state, zip, country	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization. OrganizationAddress	Street City State PostalCode Country
1.9	Applicant Organization, Address	County (if supplied)	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization	OrganizationCounty
1.9	Application Organization, Institutional Profile Number	IPF Number (if known)	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization	OrganizationIPFCode
1.10	Type Of Organization	Type of Organization, check one: Public – Federal Public – State Public – Local Private Nonprofit For Profit – General For Profit – Small Business For Profit – Woman Owned Organization For Profit – Socially and Economically Disadvantaged	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization. OrganizationClassification	CategoryCode SubcategoryCode Public, Federal = G / F Public, State = G / S Public, Local = G / L Nonprofit, Private = N / P For Profit, General = F / null For Profit, Small Business = F / SB For Profit, Woman Owned = F / WO For Profit, Disadvantaged = F / SD
1.11	Entity Identification Number	EIN	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization	OrganizationEIN
1.11	DUNS Number	DUNS	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization	OrganizationDUNS
1.11	Congressional District	Congressional District	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization	OrganizationCongressionalDistrict
1.12	Administrative Official To Be Notified If Award Is Made, Name	AO Name	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization. OrganizationContactPerson	NamePrefix FirstName MiddleName LastName NameSuffix

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1.12	Administrative Official, Title	AO Title	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization. OrganizationContactPerson	PositionTitle
1.12	Administrative Official, Address	AO Address	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization. OrganizationContactPerson. ContactInformation. PostalAddress	Street MailStopCode City State PostalCode Country
1.12	Administrative Official, Tel	AO Telephone	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization. OrganizationContactPerson. ContactInformation	PhoneNumber
1.12	Administrative Official, FAX	AO FAX Number	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization. OrganizationContactPerson. ContactInformation	Fax Number
1.12	Administrative Official, E-mail	AO Email Address	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicantOrganization. OrganizationContactPerson. ContactInformation	Email
1.13	Official Signing for Applicant Organization, Name	SO Name	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AuthorizedOrganizationalRepresentative. Name	NamePrefix FirstName MiddleName LastName NameSuffix
1.13	Signing Official, Title	SO Title	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AuthorizedOrganizationalRepresentative	PositionTitle
1.13	Signing Official, Address	SO Address	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AuthorizedOrganizationalRepresentative. ContactInformation. PostalAddress	Street MailStopCode City State PostalCode Country

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1.13	Signing Official, Tel	SO Telephone	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AuthorizedOrganizationalRepresentative. ContactInformation	PhoneNumber
1.13	Signing Official, FAX	SO FAX Number	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AuthorizedOrganizationalRepresentative. ContactInformation	FaxNumber
1.13	Signing Official, E-Mail	SO Email Address	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AuthorizedOrganizationalRepresentative. ContactInformation	Email
1.14	Signature of PI/PD	PI Signature	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator DirectorInvestigatorSignature	SignatureAuthentication
1.14	Signature of PI/PD, Date	PI Signature Date	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator DirectorInvestigatorSignature	SignatureDate
1.15	Signature of Official	SO Signature	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AuthorizedOrganizationalRepresentative. OrganizationalOfficialSignature	SignatureAuthentication
1.15	Signature of Official, Date	SO Signature Date	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AuthorizedOrganizationalRepresentative. OrganizationalOfficialSignature	SignatureDate
2	Description	Concise Description of objectives and specific aims	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. ProjectSummary	FileIdentifier *(The description itself is submitted independently as a PDF attachment)*

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2	Performance Sites, Organization	Name of organization for performance site	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. PrimaryProjectSite *(for first site)* ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AlternateProjectSite *(for all other sites)*	OrganizationName
2	Performance Sites, City/State	City and State for performance site	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. PrimaryProjectSite. PostalAddress *(for first site)* ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. AlternateProjectSite. PostalAddress *(for all other sites)*	City State
2	Key Personnel, Name	Name of key person* *Note that if a name is excluded but Account identifier is supplied for this person (see "derived" below), then the name for this person will be automatically drawn from the associated Commons account.*	ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson. Name	NamePrefix FirstName MiddleName LastName NameSuffix
2	Key Personnel, Organization	Organizational affiliation of key person	ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson	OrganizationName
2	Key Personnel, Role On Project	Key Person's Role	ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson	RoleOnProject

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Derived	*Not on paper form, but can be associated with each element of key personnel that is being assembled here.*	Account identifier, associated with this key person's Commons account.	ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson	AccountIdentifier
~~Derived~~	*~~Not on paper form, but can be associated with each element of key personnel that is being assembled here.~~*	~~IPF number, with which this person's Commons account is affiliated.~~	~~ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson~~	~~OrganizationDUNS~~ *~~For PI this is redundant, since the PI's IPF code will be identical to that of the applicant organization.~~*
3	Table of Contents	Table of Contents	***Not captured in data stream***	
4	Initial Budget Period	Identify start date of initial budget period in "from" box	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod *where BudgetPeriodID = 1*	StartDate
4	Initial Budget Period	Identify end date of initial budget period in "through" box	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod *where BudgetPeriodID = 1*	EndDate
4	Personnel, Name	Name of Personnel, from applicant organization only	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalariesAndWages. Name *(where BudgetPeriod.BudgetPeriodID = 1)*	NamePrefix FirstName MiddleName LastName NameSuffix

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Derived	*Principal Investigator / Program Director Profile ID.* *Not on paper form, but the Commons account ID associated with the PD/PI should be submitted with information that is being assembled here. Since much of the personal information related to the PD/PI is collected in the Key Personnel and Biosketch sections, the role information collected on the face page needs to be associated with those later sections, and the account identifier is an ideal way to do so.*	PD/PI account identifier, associated with his or her Commons account.	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ProgramDirectorPrincipalInvestigator	AccountIdentifier
4	Personnel, Role On Project	Role of individual on project	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalariesAndWages (*where BudgetPeriod.BudgetPeriodID = 1*)	ProjectRole ProjectRoleDescription (*if project role can only be classified as "other" from the standard list of role types*).
4	Personnel, Type Appt. (Months)	Number of Months for this type of appointment, plus an asterisk (*) if less than full time	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalariesAndWages (*where BudgetPeriod.BudgetPeriodID = 1*)	AppointmentMonths FullTimeQuestion
4	Personnel, Percent Effort	Percent Effort On Project	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalariesAndWages (*where BudgetPeriod.BudgetPeriodID = 1*)	PercentEffort
4	Personnel, Inst. Base Salary	Institutional Base Salary	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalariesAndWages (*where BudgetPeriod.BudgetPeriodID = 1*)	BaseSalary

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4	Personnel, Salary Requested	Salary Requested for this Project	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalariesAndWages (*where BudgetPeriod.BudgetPeriodID = 1*)	RequestedCost
4	Personnel, Fringe Benefits	Fringe Benefits	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalariesAndWages (*where BudgetPeriod.BudgetPeriodID = 1*)	FringeCost
4	Personnel, Total	Total Personnel Cost for this appointment, salary + fringe benefits	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalariesAndWages (*where BudgetPeriod.BudgetPeriodID = 1*)	SalaryAndFringeTotal
4	Personnel, Subtotals, Salary Requested	Subtotal of All Requested Salaries only (before fringe benefits)	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalarySubtotals (*where BudgetPeriod.BudgetPeriodID = 1*)	SalaryRequested
4	Personnel, Subtotals, Fringe Benefits	Subtotal of All Fringe Benefits	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. SalarySubtotals (*where BudgetPeriod.BudgetPeriodID = 1*)	FringeBenefits
4	Personnel, Total	Total of All Personnel Costs (Salaries + Fringe Benefits)	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod (*where BudgetPeriod.BudgetPeriodID = 1*)	SalariesWagesTotal
4	Consultant Costs, Description	Names and organizational affiliations of all consultants	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Consultant'*)	Description

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4	Consultant Costs, Total	Consultant Costs Requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Consultant'*)	Cost
4	Equipment, Itemized	Itemized list of equipment	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. Equipment (*where BudgetPeriod.BudgetPeriodID = 1*)	Description
4	Equipment, Total	Equipment Costs Requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. Equipment (*where BudgetPeriod.BudgetPeriodID = 1*)	Cost
4	Supplies, Itemized by Category	Itemized list of supply categories for which costs are requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Supplies'*)	Description
4	Supplies, Total	Supply Costs Requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Supplies'*)	Cost
4	Travel Costs, Description	Travel Requests for which costs are indicated	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Travel'*)	Description

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4	Travel Costs, Total	Travel Costs Requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Travel'*)	Cost
4	Patient Care Costs, Inpatient, Description	Description of Inpatient Costs Requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ParticipantPatientCosts (*where BudgetPeriod.BudgetPeriodID = 1, and ParticipantPatientCosts.Type = 'Inpatient'*)	Description
4	Patient Care Costs, Inpatient, Total	Total Inpatient Costs Requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ParticipantPatientCosts (*where BudgetPeriod.BudgetPeriodID = 1, and ParticipantPatientCosts.Type = 'Inpatient'*)	Cost
4	Patient Care Costs, Outpatient, Description	Description of Outpatient Costs Requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ParticipantPatientCosts (*where BudgetPeriod.BudgetPeriodID = 1, and ParticipantPatientCosts.Type = 'Outpatient'*)	Description
4	Patient Care Costs, Outpatient, Total	Total Outpatient Costs Requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ParticipantPatientCosts (*where BudgetPeriod.BudgetPeriodID = 1, and ParticipantPatientCosts.Type = 'Outpatient'*)	Cost
4	Alterations and Renovations, Itemized	Itemized list of alterations and renovations for which costs are indicated	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Alterations'*)	Description

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4	Alterations and Renovations, Total	Total Alteration and Renovation Cost Requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Alterations'*)	Cost
4	Other Expenses, Itemized	Itemized list of other expenses not covered under other cost categories, above	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Other'*)	Description
4	Other Expenses, Total	Total Cost requested for other expenses	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 1, and OtherDirectCosts.Type = 'Other'*)	Cost
4	Subtotal, Direct Costs	Total of Direct Costs for initial budget period, less consortium and contractual costs	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod (*where BudgetPeriod.BudgetPeriodID = 1*)	NonConsortiumDirectCostSubtotal
4	Consortium/Contractual Costs, Direct Costs	Direct Costs for all Consortium participants *other* than the applicant organization	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ConsortiumCosts (*where BudgetPeriod.BudgetPeriodID = 1*)	DirectCosts
4	Consortium/Contractual Costs, Facilities and Administrative Costs	Indirect (F&A) Costs for all Consortium participants *other* than the applicant organization	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ConsortiumCosts (*where BudgetPeriod.BudgetPeriodID = 1*)	IndirectCosts
4	Total Direct Costs for Initial Budget Period	Total Direct Costs, Including Total Consortium (subaward) costs	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod (*where BudgetPeriod.BudgetPeriodID = 1*)	PeriodDirectCostsTotal *Note: this item already appears in the datastream, mapped from item 1.7a. In reality it should be collected and transmitted only once. We show this value mapping from the two different form elements only to emphasize that these are the same values.*

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4	Fee Requested	SBIR/STTR Fee. Applies only to SBIR/STTR applications	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod *(where BudgetPeriod.BudgetPeriodID = 1)*	Fee *Note: SBIR/STTR applications are not being accepted in the initial CGAP pilot. This mapping is for future use.*
5	Personnel Costs, Years 2 through 5	Salary and Fringe Benefits, applicant organization only. Years 2 through 5 *(Year 1 amounts are already accounted for in the datastream. See "page 4" mappings, above).*	ResearchProjectDetails. ResearchRelatedProject. BudgetSummary. BudgetPeriod *(where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5)*	SalariesWagesTotal
5	Consultant Costs, Years 2 through 5	Consultant Costs for years 2 through 5	ResearchProjectDetails. ResearchRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts *(where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5, and OtherDirectCosts.Type = 'Consultant')*	Cost
5	Equipment, Years 2 through 5	Equipment Costs for years 2 through 5	ResearchProjectDetails. ResearchRelatedProject. BudgetSummary. BudgetPeriod. Equipment *(where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5)*	Cost
5	Supplies, Years 2 through 5	Supply Costs for years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts *(where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5, and OtherDirectCosts.Type = 'Supplies')*	Cost
5	Travel, Years 2 through 5	Travel Costs for years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts *(where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5, and OtherDirectCosts.Type = 'Travel')*	Cost

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5	Patient Care Costs, Inpatient, Years 2 through 5	Inpatient Care Costs for years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ParticipantPatientCosts (*where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5, and ParticipantPatientCosts.Type = 'Inpatient'*)	Cost
5	Patient Care Costs, Outpatient, Years 2 through 5	Outpatient Care Costs for years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ParticipantPatientCosts (*where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5, and ParticipantPatientCosts.Type = 'Outpatient'*)	Cost
5	Alterations and Renovations, Years 2 through 5	Alteration and Renovation Costs for years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5, and OtherDirectCosts.Type = 'Alterations'*)	Cost
5	Other Expenses, Years 2 through 5	Other Expenses for years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. OtherDirectCosts (*where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5, and OtherDirectCosts.Type = 'Other'*)	Cost
5	Subtotal, Direct Costs, Years 2 through 5	Total of Direct Costs for years 2 through 5, less consortium and contractual costs	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod (*where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5*)	NonConsortiumDirectCostSubtotal
5	Consortium/Contractual Costs, Direct Cost, Years 2 through 5	Direct Costs for all Consortium participants *other* than the applicant organization, years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ConsortiumCosts (*where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5*)	DirectCosts
5	Consortium/Contractual Costs, Facilities and Administrative Cost, Years 2 through 5	Indirect (F&A) Costs for all Consortium participants *other* than the applicant organization, years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ConsortiumCosts (*where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5*)	IndirectCosts

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5	Total Direct Costs for Budget Period, Years 2 through 5	Total Direct Costs, Including Total Consortium (subaward) costs, years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod (*where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5*)	PeriodDirectCostsTotal
5	Total Direct Costs for Entire Proposed Project Period	Direct Cost for all budget periods, combined	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary	BudgetDirectCostsTotal *Note: this item already appears in the datastream, mapped from item 1.8a. In reality it should be collected and transmitted only once. We show this value mapping from the two different form elements only to emphasize that they are the same values.*
5	Fee Requested, Years 2 through 5	SBIR/STTR Fee. Applies only to SBIR/STTR applications	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod (*where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5*)	Fee *Note: SBIR/STTR applications are not being accepted in the initial CGAP pilot. This mapping is for future use.*
5	Total Fee Requested for Entire Proposed Project Period	Combined SBIR/STTR for *all* budget periods. Applies only to SBIR/STTR applications	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary	BudgetFeesTotal
5	Justification	Budget Justification	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetJustification	Text

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Derived	*Not on paper form, however we need some straightforward and unambiguous way to indicate whether the applicant is intending to submit a modular budget. In the paper paradigm, this intent is expressed by including the "Modular Budget Page" instead of pages 4 and 5. In the absence of such a technique, it is advantageous to express an explicit indicator in the datastream.*	Modular Budget Indicator	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary	ModularBudgetQuestion (TRUE if modular, FALSE if detailed budget)
Modular Budget	Initial Budget Period	Total Direct Costs for Initial Budget Period	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod *(where BudgetPeriod.BudgetPeriodID = 1)*	PeriodDirectCostsTotal *Note: this item already appears in the datastream, mapped from item 1.7a. In reality it should be collected and transmitted only once. We show this value mapping from the different form elements only to emphasize that these are the same values.*
Modular Budget	Second, Third, Fourth, and Fifth Year of Support	Total Direct Costs for years 2 through 5	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod *(where BudgetPeriod.BudgetPeriodID = 2, 3, 4, 5)*	PeriodDirectCostsTotal
Modular Budget	Total Direct Costs Requested for Entire Project Period	Direct Cost for all budget periods, combined	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary	BudgetDirectCostsTotal *Note: this item already appears in the datastream, mapped from item 1.8a. In reality it should be collected and transmitted only once. We show this value mapping from the different form elements only to emphasize that they are the same values.*
Modular Budget	Personnel	List of all personnel, including names, percent effort, and roles on the project. NO individual salary information should be listed.	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. ModularBudgetDetails	PersonnelExplanation

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PHS 398 Page	PHS 398 Item	Item Definition	Component Path / Identifier	Data Element Name(s)
Modular Budget	Consortium	Provide an estimate of total consortium / contractual costs (direct + F&A) for each year, rounded to nearest $1000.	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. ModularBudgetDetails	PersonnelExplanation
Modular Budget	Fee	Explanation of SBIR/STTR fee amounts. Applies to SBIR/STTR applications only.	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. ModularBudgetDetails	FeeExplanation *Note: SBIR/STTR applications are not being accepted in the initial CGAP pilot. This mapping is for future use.*
Modular Budget	Budget Justification (no label on the form page, but this is mentioned in the modular budget instructions)	Additional budget narrative justification for any variation in the number of modules requested.	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetJustification	Text
Biographical Sketch	Name	Name of person to whom biographical sketch applies	If this is a biographical sketch for a person who **does not appear** under "Key Personnel" (i.e. there is no "KeyPerson" component to identify him/her), then the biosketch name is mapped, to the following component: ResearchApplicationExtension. NonKeyPersonBiographicalSketch. Name	NamePrefix FirstName MiddleName LastName NameSuffix
			If this is a biographical sketch for a Key Person, then the name from the biosketch page is **not mapped**. The Name that pertains to the biosketch is already collected in: ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson. Name *The biosketch information for the key person is collected within the same KeyPerson component.*	**Not mapped.**

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Biographical Sketch	Position Title	Key person title	If this is a biographical sketch for a person who **does not appear** under "Key Personnel" (i.e. there is no "KeyPerson" component to identify him/her), then the biosketch position title is mapped, to the following component: ResearchApplicationExtension. NonKeyPersonBiographicalSketch	PositionTitle
			For Program Director or Principal Investigator, this information has already been collected from the face page and is not mapped separately. *For other key personnel, map as follows:* ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson *Note that this is should be the same KeyPerson component which has been used to assemble other (page 2) information pertaining to this individual.*	PositionTitle
Biographical Sketch	Education/Training, Institution	Institution from which training has been received	*Not mapped. This section should be submitted in the PositionsHonorsCitations attachment.*	*Not mapped.*
Biographical Sketch	Education/Training, Location	Location of Institution from which training was received	*Not mapped. This section should be submitted in the PositionsHonorsCitations attachment.*	*Not mapped.*
Biographical Sketch	Education/Training, Degree	Degree obtained from this training, if applicable	*Not mapped. This section should be submitted in the PositionsHonorsCitations attachment.*	*Not mapped.*
Biographical Sketch	Education/Training, Year(s)	Year(s) education obtained or completed	*Not mapped. This section should be submitted in the PositionsHonorsCitations attachment.*	*Not mapped.*
Biographical Sketch	Education/Training, Field of Study	Field of study	*Not mapped. This section should be submitted in the PositionsHonorsCitations attachment.*	*Not mapped.*
Biographical Sketch	Positions and Honors and Selected peer-reviewed publications	List previous positions in chronological order, and list any honors. Selected peer-reviewed publications	ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson. NIHBiographicalSketch *Note that this is should be the same KeyPerson component which has been used to assemble other (page 2) information pertaining to this individual.*	PositionsHonorsCitationsFileIdentifier *(Identifies an attachment to the XML stream)*

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Biographical Sketch	Research Support	List selected ongoing or completed (during the last three years) research projects (federal and non-federal support).	ResearchProjectDetails. ResearchAndRelatedProject. KeyPerson. NIHBiographicalSketch *Note that this is should be the same KeyPerson component which has been used to assemble other (page 2) information pertaining to this individual.*	ResearchSupportFileIdentifier *(Identifies an attachment to the XML stream)*
Resources Page	Facilities	Specify the facilities to be used for the conduct of the proposed research	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. FacilitiesDescription	FileIdentifier *(Identifies an attachment to the XML stream)*
Resources Page	Major Equipment	List the most important equipment items already available for this project.	ResearchProjectDetails. ResearchAndRelatedProject. ProjectDescription. EquipmentDescription	FileIdentifier *(Identifies an attachment to the XML stream)*
Checklist Page	Type of Application: New, Revision, or Competing Continuation checkboxes	New, Revision or Competing Continuation *(regardless of how instructions are worded, these are mutually exclusive choices)*	ResearchProjectDetails. ResearchAndRelatedProject. ResearchCoverPage. ApplicationCategory	CategoryIdentifier *Only one of these three checkboxes (new, revision, or competing continuation) should be checked. If one is checked the CategoryIdentifier should indicate which one of the three has been indicated. Expected list of values for this field is "N", "R", or "C".*
Checklist Page	Type of Application, New, SBIR Phase I	SBIR Phase I checkbox	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. SBIRQuestions	Phase1Indicator
Checklist Page	Type of Application, New, SBIR Phase II	SBIR Phase II checkbox	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. SBIRQuestions. Phase2Details	Phase2Indicator
Checklist Page	Type of Application, New, SBIR Phase II, Grant Number	SBIR Phase 1 Grant Number	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. SBIRQuestions. Phase2Details	Phase1GrantNumber
Checklist Page	Type of Application, New, SBIR Fast Track	SBIR Fast Track checkbox	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. SBIRQuestions	FastTrackIndicator
Checklist Page	Type of Application, New, STTR Phase I	STTR Phase I checkbox	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. STTRQuestions	Phase1Indicator

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Checklist Page	Type of Application, New, STTR Phase II	STTR Phase II checkbox	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. SBIRQuestions. Phase2Details	Phase2Indicator
Checklist Page	Type of Application, New, STTR Phase II, Grant Number	STTR Phase 1 Grant Number	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. SBIRQuestions. Phase2Details	Phase2Indicator
Checklist Page	Type of Application, New, STTR Fast Track	STTR Fast Track checkbox	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. STTRQuestions	FastTrackIndicator
Checklist Page	Inventions And Patents, No	No inventions or patents	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. SBIRQuestions. Phase2Details. InventionsAndPatents ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. STTRQuestions. Phase2Details. InventionsAndPatents ResearchProjectDetails. ResearchApplicationExtension. CompetingContinuationQualifiers. InventionsAndPatents	NoInventions

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PHS 398 Page	PHS 398 Item	Item Definition	Component Path / Identifier	Data Element Name(s)
Checklist Page	Inventions And Patents, Yes, Previously Reported	Inventions "Yes" checkbox, *and* "Previously Reported" checkbox	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. SBIRQuestions. Phase2Details. InventionsAndPatents ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. STTRQuestions. Phase2Details. InventionsAndPatents ResearchProjectDetails. ResearchApplicationExtension. CompetingContinuationQualifiers. InventionsAndPatents	InventionsPreviouslyReported
Checklist Page	Inventions And Patents, Yes, Not Previously Reported	Inventions "Yes" checkbox, *and* "Not Previously Reported" checkbox	ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. SBIRQuestions. Phase2Details. InventionsAndPatents ResearchProjectDetails. ResearchApplicationExtension. NewApplicationQualifiers. STTRQuestions. Phase2Details. InventionsAndPatents ResearchProjectDetails. ResearchApplicationExtension. CompetingContinuationQualifiers. InventionsAndPatents	InventionsNotPreviouslyReported
Checklist Page	Revision of Application Number	Grant Number of prior unfunded version of new, competing continuation, or supplemental application.	ResearchProjectDetails. ResearchApplicationExtension. RevisionOfApplicationNumber	ApplicationTypeCode ActivityCode AdministeringOrganizationID SerialNumber SupportYear SuffixCode

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Checklist Page	Competing Continuation of Grant Number	Grant Number for which continuation is sought	ResearchProjectDetails. ResearchApplicationExtension. CompetingContinuationQualifiers. PriorGrantNumber	ApplicationTypeCode ActivityCode AdministeringOrganizationID SerialNumber SupportYear SuffixCode
Checklist Page	Supplement to Grant Number	Grant number being supplemented	ResearchProjectDetails. ResearchApplicationExtension. SupplementGrantNumber	ApplicationTypeCode ActivityCode AdministeringOrganizationID SerialNumber SupportYear SuffixCode
Checklist Page	Change of Principal Investigator or Program Director, checkbox	Change of PI	ResearchProjectDetails. ResearchApplicationExtension	PIChangeIndicator
Checklist Page	Former Principal Investigator or Program Director	Former PI Name	ResearchProjectDetails. ResearchApplicationExtension. PIChangeIndicator	FormerPIName
Checklist Page	Foreign Application, checkbox	Foreign Application or significant foreign component	ResearchProjectDetails. ResearchApplicationExtension	ForeignApplicationIndicator
Checklist Page	Program Income, Budget Period	Budget Period in which program income is anticipated	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod	BudgetPeriodId *(not really stored here, just used to map the program income to appropriate budget period component)*
Checklist Page	Program Income, Anticipated Amount	Anticipated amount of program income support for the indicated budget period	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ProgramIncomeDetails *(where BudgetPeriod.BudgetPeriodID = indicated budget period)*	AnticipatedAmount
Checklist Page	Program Income	Sources of program income	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. ProgramIncomeDetails *(where BudgetPeriod.BudgetPeriodID = indicated budget period)*	Sources
Checklist Page	Assurances and Certifications: Verified	Assurances and Certifications verified by signature of official signing for Applicant Organization on the face page	ResearchProjectDetails. ResearchApplicationExtension. AssuranceAndCertificationCompliance	YesNoAnswer

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Checklist Page	Assurances and Certifications: Explanation	If unable to certify compliance with this assurance, provide an explanation	ResearchProjectDetails. ResearchApplicationExtension. AssuranceAndCertificationCompliance	Explanation
Checklist Page	Indirect Costs, DHHS Agreement	DHHS Agreement Established, and date of agreement	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails	DHHSAgreementDate
Checklist Page	Indirect Costs, No F&A Requested checkbox	No facilities and administrative costs requested	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails	NoIndirectCostsRequested
Checklist Page	Indirect Costs, DHHS Agreement being negotiated	DHHS agreement being negotiated with regional office	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails	DHHSAgreementNegotiationOffice
Checklist Page	No DHHS Agreement but rate established, with	No DHHS Agreement, but a rate has been established with indicated Federal agency	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails. NoDHHSAgreement	AgencyName
Checklist Page	No DHHS Agreement but rate established, date	No DHHS Agreement, but a rate has been established on this date with another Federal agency	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails. NoDHHSAgreement	AgreementDate
Checklist Page	Indirect Cost Calculation, Amount of Base	Amount of Base for Indirect Cost Calculation (one for each year of support)	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. IndirectCostDetails *(where BudgetPeriod.BudgetPeriodID = budget period for which calculation details are being provided … 1, 2, 3, 4, or 5)*	BaseAmount
Checklist Page	Indirect Cost Calculation, Rate Applied	Rate, expressed as percentage, for Indirect Cost Calculation (one for each year of support)	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod. IndirectCostDetails *(where BudgetPeriod.BudgetPeriodID = budget period for which calculation details are being provided … 1, 2, 3, 4, or 5)*	Rate

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PHS 398 Page	PHS 398 Item	Item Definition	Component Path / Identifier	Data Element Name(s)
Checklist Page	Indirect Cost Calculation, F&A Costs per period	Calculated indirect costs (one for each year of support)	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. BudgetPeriod *(where BudgetPeriod.BudgetPeriodID = budget period for which calculation details are being provided … 1, 2, 3, 4, or 5)*	IndirectCostsTotal
Checklist Page	Indirect Cost Calculation, Total F&A Costs	Total F&A costs for entire period of support (alll budget periods combined)	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary	BudgetIndirectCostsTotal
Checklist Page	Salary and wages base	Salary and wages base checkbox	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails	SalaryAndWagesBase
Checklist Page	Modified total direct cost base	Modified total direct cost base checkbox	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails	ModifiedTotalDirectCostsBase
Checklist Page	Other base	Other base checkbox (Explain)	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails	OtherBase
Checklist Page	Off-site, other special rate, or more than one rate involved	Off-site, other special rate, or more than one rate involved checkbox (Explain)	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails	OffsiteOtherSpecialOrMultipleRate
Checklist Page	F&A Rate Explanation	Explanation of Base/Rate checkboxes	ResearchProjectDetails. ResearchAndRelatedProject. BudgetSummary. IndirectCostRateDetails	Explanations
Checklist Page	Smoke-Free Workplace	Smoke-Free Workplace checkboxes (yes or no)	ResearchProjectDetails. ResearchApplicationExtension	SmokeFreeWorkplaceIndicator
Research Plan	Introduction to Revised Application	Revision Introduction (for revised applications only)	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan	RevisedApplicationIntroAttachment *(Identifies an attachment to the XML stream)*
Research Plan	Introduction to Supplemental Application	Supplement Introduction (for supplemental applications only)	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan	SupplementalApplicationIntroAttachment *(Identifies an attachment to the XML stream)*
Research Plan	Section A	Specific Aims	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan. Narrative	SpecificAims *(Identifies an attachment to the XML stream)*

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Research Plan	Section B	Background and Significance	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan. Narrative	BackgroundAndSignificance *(Identifies an attachment to the XML stream)*
Research Plan	Section C	Preliminary Studies / Progress Report	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan. Narrative	PreliminaryStudies (if a NEW application) *(Identifies an attachment to the XML stream)* or ProgressReport (if competing continuation, supplement, or SBIR/STTR phase II) *(Identifies an attachment to the XML stream)*
Research Plan	Section D	Research Design and Methods	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan. Narrative	ResearchDesignAndMethods *(Identifies an attachment to the XML stream)*
Research Plan	Section E	Human Subjects	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan	HumanSubjects *(Identifies an attachment to the XML stream)*
Research Plan	Section F	Vertebrate Animals	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan	VertebrateAnimals *(Identifies an attachment to the XML stream)*
Research Plan	Section G	Literature Cited	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan	LiteratureCited *(Identifies an attachment to the XML stream)*
Research Plan	Section H	Consortium/Contractual Arrangements	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan	ConsortiumAndContractualArrangements *(Identifies an attachment to the XML stream)* *Note: since this applies to consortium arrangements only, and since the initial pilot phase will not include consortiums, this data mapping is intended to support future releases.*
Research Plan	Section I	Letters of Support	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan	Consultants *(Identifies an attachment to the XML stream)*

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Research Plan	Section J	Product Development Plan (SBIR/STTR only)	ResearchProjectDetails. ResearchApplicationExtension. ResearchPlan	ProductDevelopmentPlan *(Identifies an attachment to the XML stream)* *Note: since this applies to SBIR/STTR only, and since the initial pilot phase will not include this type, this data mapping is intended to support future releases.*
PI Personal Data Form	Date of Birth	Program Director / Principal Investigator Birth Date	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Social Security Number	Program Director / Principal Investigator SSN	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Sex	Program Director / Principal Investigator Sex/Gender	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Ethnicity	Hispanic or Latino checkbox	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Ethnicity	Not Hispanic or Latino checkbox	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Race	American Indian or Alaska Native checkbox	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Race	Asian checkbox	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Race	Black or African American checkbox	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Race	Native Hawaiian or Other Pacific Islander checkbox	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Race	White checkbox	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***
PI Personal Data Form	Race	Do not wish to provide some or all of the above information checkbox	***Not mapped.** This information must be conveyed via the Commons PPF for the PI, not through the application datastream.*	***Not mapped.***